

# Joint ANL/FNAL Surface Processing Facility and ANL/Cornell Processing Update

Allan Rowe  
Fermilab  
AD/MSD

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# Surface Processing Facility Status

## **Anteroom and Cleanroom (FNAL):**

### Remaining Work:

1. Cabinet and storage rack purchases.
2. General operational hardware purchases and installation.

**Scrubber:** Final Commissioning required to operate

**Mezzanine:** 90% completed

### Remaining work:

1. Electrical for chillers/EP power supply (208 & 480)  
M. Kelly still working with ANL crafts on affordable solutions
2. Under mezzanine lighting: Solutions being debated

# Joint Surface Processing Facility Status

## **Ultra Pure Water Plant:** Procured

### Remaining work:

1. Installation: Early January (motor swap req'd by Crossbow)
2. Quality verification: As soon as Crossbow provides water

## **Ultra Pure Water Distribution:** Installation underway

### Remaining work:

1. Installation: Completed
2. System flush to remove assembly contamination.
3. System testing: As soon as Crossbow provides water

# BCP Facility Development Status cont...

**BCP System (Mechanical/Electrical):** 99% complete

Remaining work:

1. Miscellaneous system tweaks: Ongoing
2. System testing: Ongoing

**BCP System (Controls Testing):** 80% complete

Remaining work:

1. Programming modifications: Ongoing
2. System testing: Ongoing
3. Personnel training: Will begin when controls are finished

# BCP Facility Development Status cont...

## **BCP System Safety Review:** Pending

### Remaining work:

1. ANL (Shepard) review.
2. ANL review and approval of Shepard/Kelly operations (mid January) Schedule is being set by ANL Phys. Div. safety officer.
3. ANL review of FNAL BCP System (after Shepard/Kelly receive approval)

## **BCP System Hardware/Fixtures/Transport/Fixes:**

Receiving heavy attention. Will continue at least through Jan.

# BCP Facility Development Status cont...

## **3<sup>rd</sup> Harmonic Cavity Traveler Documentation:**

Still needs attention ASAP. 50% of a Process Engineer for 3 months.

Interim solution is to maintain all documentation for first cavity personally. Input into a database can occur later.

## **Cleanroom Setup:**

Cleanroom hardware and storage purchases will begin within the month. Planning sessions with BCP System operators are ongoing.